

U-M RESEARCH AWARD AND EXPENDITURES REPORT
FEBRUARY 2023

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first half month of Fiscal Year 2023, which ended December 31.

Total research expenditures through the first six months of FY23 totaled \$903 million, which is up 9.1 percent when compared to the first half of FY22.

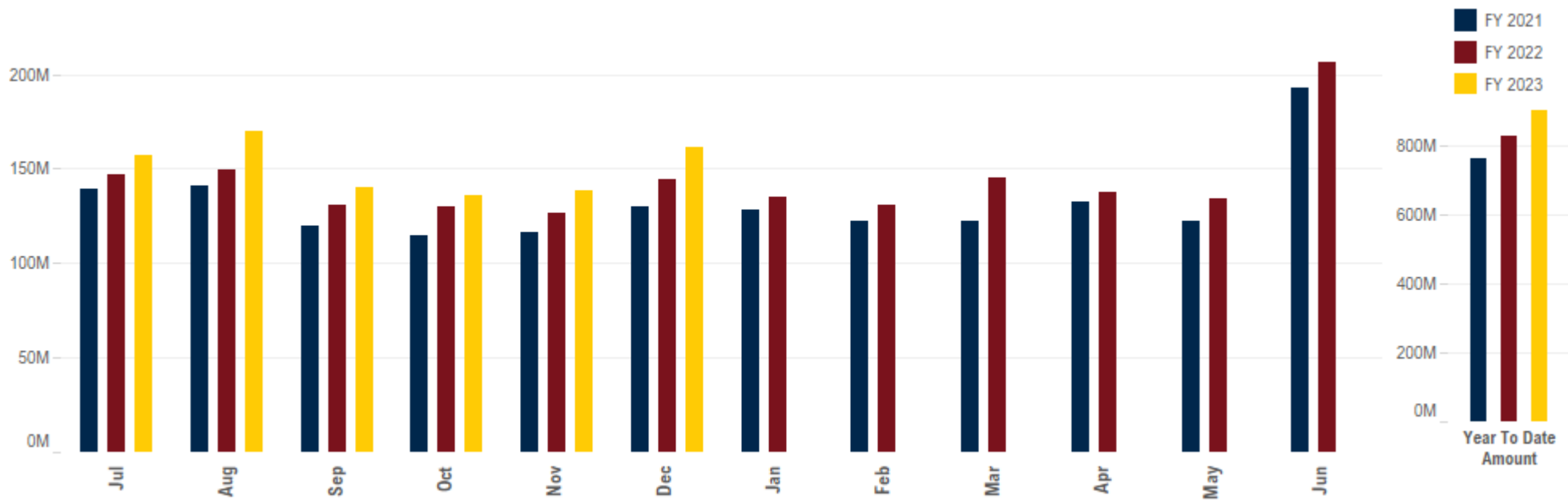
The number of research submissions through the first six months of FY23 was down 4.2 percent, but the value of those submissions increased 1 percent when compared to December 2021.

The number of new research awards from external sponsors through the first six months of FY23 increased 4.2 percent, but their value decreased 11.4 percent when compared to December 2021.

Rebecca Cunningham, Vice President for Research

Jason Owen-Smith, Executive Director, Research Analysis and Data Integration Office

Expenditures



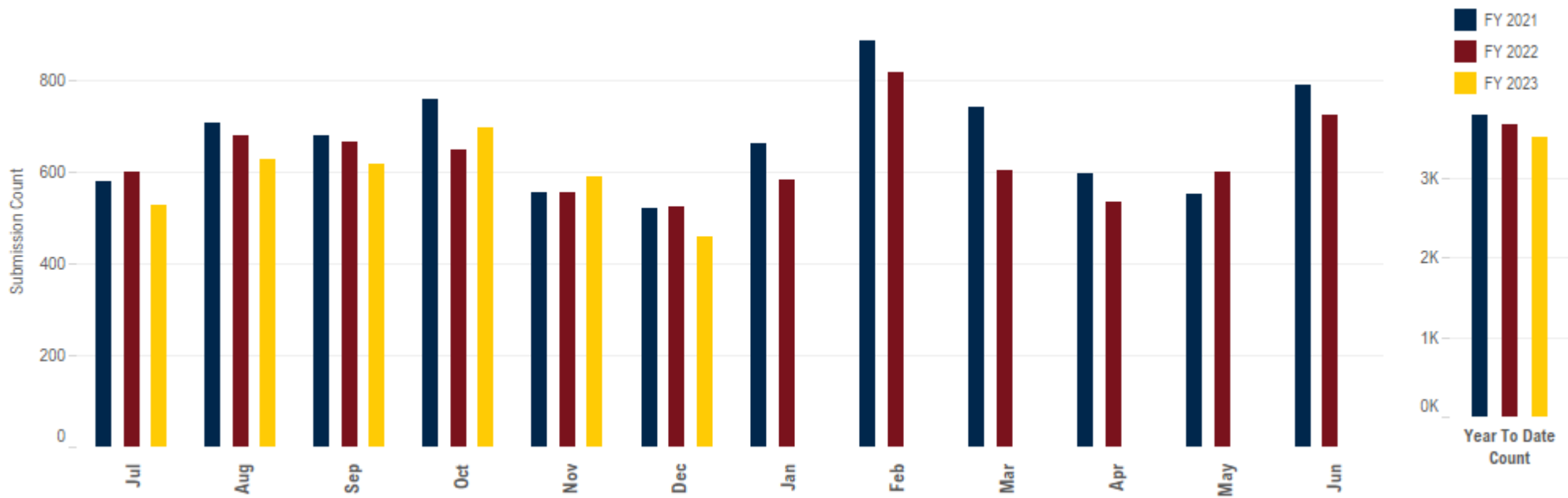
Year to Date

FY21: \$762,035,361

FY22: \$828,150,251

FY23: \$903,331,235

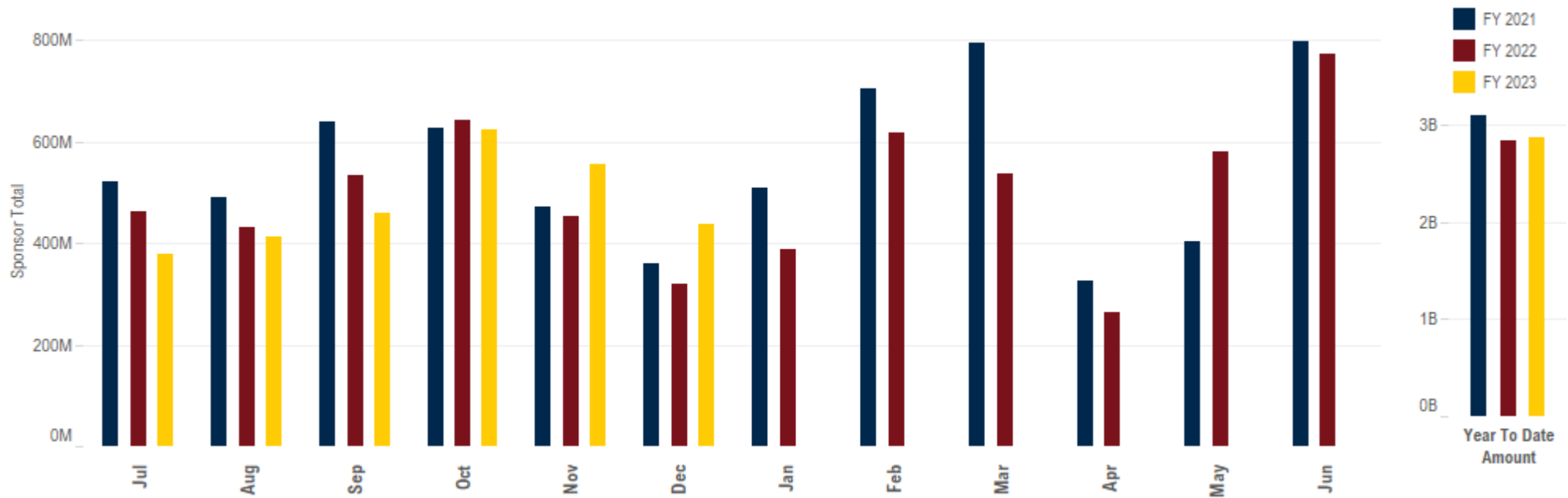
Submissions by Count



Year to Date

FY21: 3,798
FY22: 3,671
FY23: 3,515

Submissions by Amount



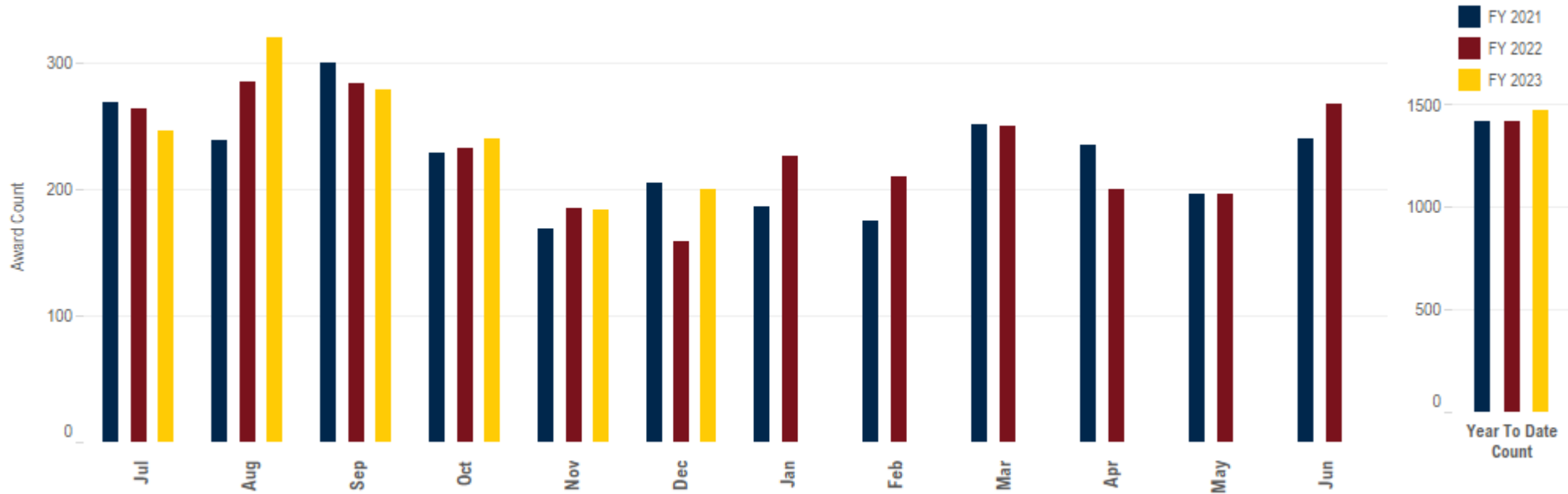
Year to Date

FY21: \$3,108,182,079

FY22: \$2,840,010,603

FY23: \$2,869,256,573

Awards by Count



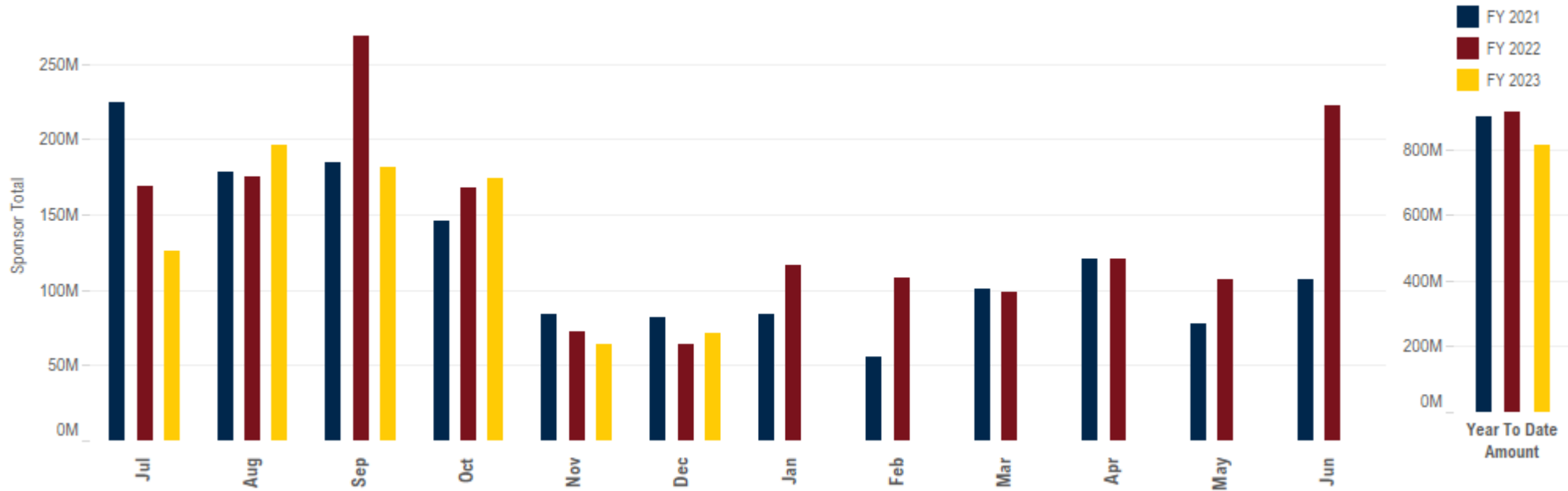
Year to Date

FY21: 1,411

FY22: 1,411

FY23: 1,470

Awards by Amount



Year to Date

FY21: \$899,448,786

FY22: \$917,140,111

FY23: \$812,716,651

Top Monthly Awards

National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Zhu, Kai	SEAS Institute of Global Chg	CAREER: Advancing a macrosystems framework for climate-phenology coupling through integrated research and education	National Science Foundation	\$711,741	3.9
Singh, Nirala	Chemical Engineering Dept	CAREER: Understanding the Interdependence of Cation and Anion Adsorption for Electrocatalytic Nitrate Reduction	National Science Foundation	\$669,320	5.0
Jeffers, Ann	Civil & Environmental Engr	BRITE Relaunch: A Physics-Based Simulation Model for Exploring Community Resilience to Wildfires	National Science Foundation	\$599,974	3.0

National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Barnes, Geoff	MM Int Med-Cardiology	Michigan Emergency Department Improvement Collaborative AltERnaTives to admission for Pulmonary Embolism (MEDIC ALERT PE) Study	Health and Human Services, Department of-National Institutes of Health	\$3,810,916	5.0
Knight, Jason	MM Int Med-Rheumatology	Purinergic modulation of the autoimmune vascular phenotype	Health and Human Services, Department of-National Institutes of Health	\$3,089,635	5.0
Shahinian, Vahakn	MM Int Med-Nephrology	University of Michigan Kidney, Urology and Hematology Research Training Network	Health and Human Services, Department of-National Institutes of Health	\$2,610,280	4.8



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Top Monthly Awards

Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Jordan, Nicholas	Nuclear Eng & Radiological Sci	High Power, High Frequency, Repetitively Pulsed Oscillators	Defense, Department of-Navy, Department of the	\$849,447	3.0
Broglia, Steven	School of Kinesiology	Characterizing Potential Chronic Brain Health Effects of Concussion and Repetitive Head Impact Exposure: The CARE-SALTOS Integrated (CSI) Study-NFL	Defense, Department of-Army, Department of the-Subcontracts	\$630,000	5.0
Chen, Zhan	LSA Chemistry	Antifouling and Fouling-Release Mechanisms of New Zwitterionic Polymers and Amphiphilic Polymers	Defense, Department of-Navy, Department of the	\$477,000	3.0

Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Zuo, Lei	Naval Arch & Marine Dept	MECC DoE Competition; Zuo	Energy, Department of	\$15,000	1.0

Top Monthly Awards

Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Sigakis, Matthew	MM Anesthesiology Department	MIPACT Lab	Apple, Inc.	\$1,969,639	0.9
Cryslar, Oxana	MM Int Med-Hematology/Oncology	A randomised, open-label, multi-centre, two-arm Phase 3 study comparing futuximab/modotuximab in combination with trifluridine/tipiracil to trifluridine/tipiracil single agent with a Safety Lead-In part in participants with KRAS/NRAS and BRAF wild type metastatic colorectal cancer previously treated with standard treatment and anti-EGFR therapy (COLSTAR).	Servier Pharmaceuticals LLC	\$1,410,780	4.7
Mi, Zetian	COE EECS - ECE - SSEL	Development of Solar Wafers for Hydrogen Production	NX Fuels, Inc. (dba Carbon Fuels, Inc.)	\$980,000	1.2

Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Durat (years)
Chinnaiyan, Arul	MM Ctr fr Translational Path.	TARGETING ONCOGENIC TRANSCRIPTION FACTORS BY DISRUPTING ENHANCER-PROMOTER REGULATORY SWITCHES	Trailsend Foundation	\$1,000,000	2.0
Eniola-Adefeso, Lola	Chemical Engineering Dept	AtheroGEN: Identification and targeting of sex-specific mechanisms of atherosclerosis	Foundation Leducq	\$793,000	5.0
Kim, Jinseok	SRC-Innovation,Netwrks&Kn..	Soft2Rs: An Open Source Tool Package for Linking Research Software Mentions to Research, Repository, and Resource Information	Sloan, Alfred P., Foundation	\$435,628	2.0